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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/965,387	09/27/2001	Jason E. Cosky	42390.P11979	2940

8791 7590 05/08/2003

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EXAMINER

MCLEAN-MAYO, KIMBERLY N

ART UNIT	PAPER NUMBER
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2187

DATE MAILED: 05/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/965,387

Applicant(s)

COSKY ET AL.

Examiner

Kimberly N. McLean-Mayo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 September 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4. 6) ☐ Other: _____

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DETAILED ACTION

1. The enclosed detailed action is in response to the Information Disclosure Statement and the Application submitted on September 27, 2001.

Drawings

2. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

monitor

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claim 1-29 are rejected under 35 U.S.C. 102(e) as being anticipated by Moyer (PGPUB: 2002/0199052 A1)

Regarding claims 1, 9-10, 20 and 28-29, Moyer discloses initializing a circuit (Page 3, Section [0022], lines 22-32, lines 53-61 - the circuit is initialized by storing arbitration policies in control registers, References 56, 62, 63, 64 and 65 in Figure 4; Page 2, Section [0021], lines 30 +), wherein the circuit has at least one memory element coupled to a memory bus (Figure 1,

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Reference 12) on a host system (Figure 1, Reference 14 – host system)(the circuit is comprised of References 34, 36, 38, 40, 20, 22 and 24); monitoring signals on the memory bus (Page 2, Section [0021], lines 1-20 – the signals are monitored on the bus via input 12 in Figure 4); detecting [identifying] a first sequence of signals and switching control of the at least one memory element to the circuit (Page 3, Section [0022], lines 38-49). Additionally with respect to claim 20, hardware system elements are intrinsically controlled by software such as device drivers, microcode, etc. and thus it is evident that the system above comprises a machine-accessible medium including instructions, that when executed by the machine, causes the machine to perform the operations above.

Regarding claims 2-3 and 21-22, Moyer discloses detecting a second sequence of signals and switching control of the at least one memory element to the host system (Page 3, Section [0022], lines 38-49 – when the information monitored and retrieved from the control register(s) indicated that the host system should be granted access to the bus).

Regarding claims 4 and 23, Moyer discloses initializing a circuit having at least one memory element coupled to a memory bus on a host system comprising detecting a sequence of writes to memory locations on the circuit (Page 3, Section [0022], lines 22-32, lines 53-61; Page 2, Section [0021], lines 30 +; logic within Reference 34 for identifying when information is being written to the control registers, References 56, 62, 63, 64 and 65 in Figure 4).

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Regarding claims 5 and 24, Moyer discloses the sequence of writes are writes to random memory locations (locations of the configuration registers).

Regarding claims 6-8 and 25-27, Moyer discloses monitoring signals on the memory bus comprising the circuit monitoring control, address and data signals on the host system (Page 2, Section [0021], lines 7-20).

Regarding claims 11 and 18-19, Moyer discloses a memory bus on a host system (Figure 1, Reference 12); a plurality of memory elements on a circuit, (the circuit is comprised References 34, 36, 38, 40, 20, 22 and 24), the plurality of memory elements communicatively coupled with the memory bus (the plurality of memory elements – Figure 1, References 20, 22 and 24); a processing element on the circuit communicatively coupled with the plurality of memory elements and the memory bus, the (Figure 1, Reference 34), the processing element to monitor signals on the memory bus (Page 2, Section [0021], lines 1-20 – the signals are monitored on the bus via input 12 in Figure 4); detecting [identifying] a first sequence of signals and switching control of the at least one memory element to the circuit (Page 3, Section [0022], lines 38-49).

Claim 12-13 are rejected for the same rationale applied to claims 2-3 above.

Claim 14 is rejected for the same rationale applied to claim 4 above.

Claim 15 is rejected for the same rationale applied to claim 5 above.

Claim 16-18 are rejected for the same rationale applied to claim 6-8 above.

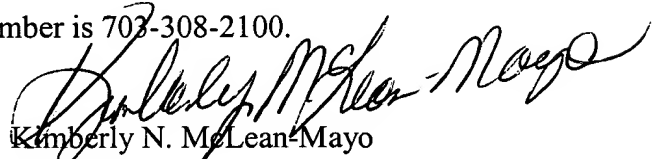
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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly N. McLean-Mayo whose telephone number is 703-308-9592. The examiner can normally be reached on M-F (9:00 - 6:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on 703-308-1756. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7329 for regular communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-2100.


Kimberly N. McLean-Mayo
Examiner
Art Unit 2187

KNM

May 3, 2003